

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

(YA141185) 3685C

Natural Gas Engine

Fluic PETRO CANADA DURON GEO LD 15W40 (40

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Area

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

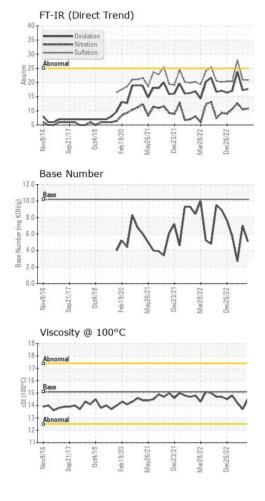
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

40 GAL)								
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		GFL0111023	GFL0098533	GFL0073837		
Sample Date		Client Info		16 Apr 2024	01 Nov 2023	26 Apr 2023		
Machine Age	hrs	Client Info		12671	11911	11066		
Oil Age	hrs	Client Info		760	1964	1119		
Oil Changed		Client Info		Not Changd	Changed	Not Changd		
Sample Status				NORMAL	NORMAL	NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2		
Water		WC Method	>0.1	NEG	NEG	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2		
ron	ppm	ASTM D5185m	>50	23	29	16		
Chromium	ppm	ASTM D5185m	>4	2	2	2		
Nickel	ppm	ASTM D5185m	>2	1	<1	1		
Fitanium	ppm	ASTM D5185m		<1	<1	<1		
Silver	ppm	ASTM D5185m	>3	<1	0	0		
Aluminum	ppm	ASTM D5185m	>9	6	10	3		
ead	ppm	ASTM D5185m	>30	2	2	14		
Copper	ppm	ASTM D5185m	>35	2	2	1		
Fin	ppm	ASTM D5185m	>4	1	<1	<1		
/anadium	ppm	ASTM D5185m		<1	<1	0		
Cadmium	ppm	ASTM D5185m		1	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	50	11	21	0		
Barium	ppm	ASTM D5185m	5	0	0	0		
Molybdenum	ppm	ASTM D5185m	50	54	54	58		
Manganese	ppm	ASTM D5185m	0	2	1	1		
Magnesium	ppm	ASTM D5185m	560	512	579	678		
Calcium	ppm	ASTM D5185m	1510	1550	1545	1897		
Phosphorus	ppm	ASTM D5185m	780	747	736	824		
Zinc	ppm	ASTM D5185m	870	930	932	1112		
Sulfur	ppm	ASTM D5185m	2040	2714	2278	3361		
CONTAMINAN	ITS	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>+100	14	8	7		
Sodium	ppm	ASTM D5185m		20	22	11		
Potassium	ppm	ASTM D5185m	>20	3	10	2		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844		0	0.1	0		
Nitration	Abs/cm	*ASTM D7624	>20	10.8	10.5	12.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	20.9	27.9		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2		
Dxidation	Abs/.1mm	*ASTM D7414	>25	17.7	17.3	23.8		
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.1	7.0	2.7		

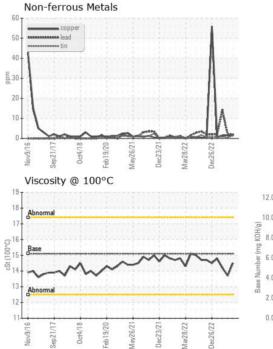


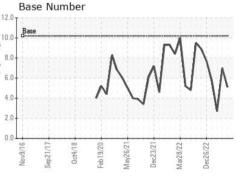
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	13.7	14.2
GRAPHS						

Ferrous Alloys





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 006 - Wilmington Sample No. : GFL0111023 Received : 18 Apr 2024 3618 US Highway 421 N Lab Number : 06152727 Tested : 18 Apr 2024 Wilmington, NC US 28401 Unique Number : 10982805 Diagnosed : 22 Apr 2024 - Don Baldridge Test Package : FLEET Contact: Eric Wood Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. eric.wood@gflenv.com T: (717)723-1956 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (910)762-6880

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Submitted By: Eric Wood

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